

United States Department of the Interior

FISH AND WILDLIFE SERVICE
TEWAUKON NATIONAL WILDLIFE REFUGE
RR #1, BOX 75
CAYUGA, NORTH DAKOTA 58013

RECEIVED

OCT 15 1988

**TEWAUKON NWR
CAYUGA, ND**

TWR-516

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Asst. Ref. Mgr.	
Ref. Asst.	
Maint. Worker	
Bio. Tech.	

Date 9/30



MEMORANDUM

September 26, 1988

To: R&W, ND Refuge Supervisor (60130)
Denver, CO

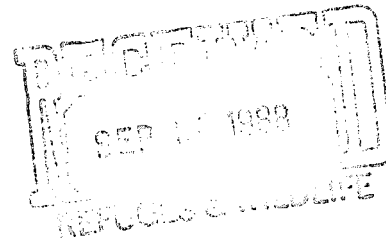
From: Project Leader, Tewaukon NWR Complex (62660)
Cayuga, ND

Subject: Addressing Threatened and Endangered Species on Wildlife Inventory Plans

The current Wildlife Inventory Plan for Tewaukon NWR and WMD does not address the endangered species which occur there. The attached amendment addresses the current procedures which will be used to monitor the activities and numbers of threatened and endangered species on the refuge.

Fred

Fred G. Giese



Wildlife Inventory Plan
Amendment #1 September 26, 1988

Refuge: Tewaukon NWR and WMD

Procedure #5

Species: American peregrine falcon (subspecies unknown), bald eagle, interior
 least tern and piping plover

Title: Survey of Threatened and Endangered Species

I. Purpose

 All of the above species are known to use areas in the state of North Dakota during migration. In addition, all four of these species nest in the state in limited numbers associated with specialized habitats.

 The primary management goal of the Tewaukon NWR and WMD is the provision of habitat capable of supporting migratory bird populations. The goal of the refuge and the position of the FWS as the lead agency for threatened and endangered species management indicates that data on use periods and population densities of these species should be collected. Given the precarious of populations of these species it is important to understand the role of refuge habitat in their life cycles.

II. Procedures

 All personnel generally record the occurrence of occasional or rare bird sightings on a refuge phenology record. The record indicates the date, location and activity of these species when they are observed. Threatened and endangered species are, and will continue to be noted on this list.

 The weekly waterfowl census will also be utilized as an additional tool with which to gather information on threatened and endangered species. The census is conducted in the fall and spring as concentrations of waterfowl move on to the refuge. As the observer tours the refuge recording waterfowl numbers additional data will be collected on threatened and endangered species.

The information is filed annually under Miscellaneous Bird Observations, and recorded in the annual narrative under the endangered and threatened species section.

III. Reliability

Observation dates of species will correspond closely with that of arrival. Population data will be difficult to extrapolate. All of these species except the falcon are closely associated with wetland habitat conditions as they directly or indirectly derive their food source from them. Populations of these species on the refuge will fluctuate according to habitat conditions and food availability. Regardless of conditions, any information gathered on these species should be considered only an index. A collection of the data over time will only indicate the time of year these species are on the refuge and in some cases, where they can be expected to congregate. In most cases this information will be adequate enough to address the impact of most management decisions on the threatened and endangered species which use the refuge and district.

IV. Special Considerations

None of the listed species are known to nest on the refuge or the district. If a nesting attempt is recorded, the potential impacts of land management activities should be evaluated at that time.

No waterfowl or other census techniques currently performed on the district are likely to yield data on threatened and endangered species. The source of this information on the district will continue to be random observations by the staff.

The piping plover and interior least tern are listed as occasional and rare on the refuge bird list. There has been documentation of these species on the refuge or district since 1979 when miscellaneous bird recording was established.

V. Manpower and Costs

No additional manpower, equipment or materials will be required.

Prepared by: Jack Labor

Date: 9-27-88

Reviewed by: Fred H. Heise

Date: 9-27-88

Approved by: John B. Henry

Date: 10-4-88